## Our Case No. 10922/51

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	t	
Thomas L. Foster et al.		
Serial No. 10/617,580	Examiner	Nguyen
Filing Date: July 11, 2003	Group Art Unit No.	3731
For: FLEXIBLE CANNULA		

## STATEMENT OF PRIOR INVENTION UNDER 37 C.F.R. § 1.131

Mail Stop Amendment Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir.

We, the undersigned, with addresses and citizenship as stated below, declare of our own knowledge:

- 1. We declare that we made and conceived the invention described and claimed in United States Patent Application Number 10/617,580, filed in the United States of America on July 11, 2003, entitled FLEXIBLE CANNULA, which claims priority from United States Provisional Application No. 60/395,280, filed on July 12, 2002.
- 2. We declare that we made and conceived this invention while employed by Cook Urological Incorporated (Cook), that the invention is related to the work we are employed to perform, and the invention was made within the scope of our employment duties. The invention was made and conceived by us prior to November 15, 2001, as disclosed in an invention disclosure consisting of four pages of drawings which are dated prior to November 15, 2001 and attached to this Statement. In addition, the drawings were faxed to a patent attorney at Cook Legal on a date prior to November 15,

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2001. The facsimile cover sheet is dated prior to November 15, 2001, and the header notation of the cover sheet and all four sheets of drawings indicates a transmission date prior to November 15, 2001.

We further declare that our work concerned a flexible cannula for use in a grasper or laser grasper, or other instrument for use in minimally-invasive surgery. The invention was developed in order to provide a surgeon with a more flexible cannula when removing small objects from a patient during surgery. We believe that our invention can be used to allow the surgeon greater ability to maneuver a grasper during surgery, and thus greater freedom of movement when removing small objects. In addition, the flexible cannula may be used for other surgical purposes. For instance, it may be used with other devices to spear and cut objects for removal, such as for a biopsy.

- 3. As depicted in the drawings, made before November 15, 2001, spiral cuts are made along the length of the cannula to make the cannula flexible. The spiral cuts are made at an angle to the longitudinal axis of the cannula, and may be made at about 80° or at other angles to the axis of the cannula. As depicted in p. 3 of the facsimile, the tubing has a wall thickness of about 0.004 inches ((.035-.0263)/2 = 0.00435). As also depicted in p. 3, the spiral cuts are preferably about 0.001 to 0.002 inches deep on the outside of the tubing of which the cannula is made. In our design, the spiral cuts make the cannula flexible, but the cuts are not so deep as to compromise structural soundness for its intended purpose. The drawings and facsimile cover sheet also show that the preferred materials for the cannula are Nitinol or stainless steel tubing.
- 4. We declare that the invention was made during working hours and with the use of facilities, equipment, materials, funds, information and services of Cook Urological Incorporated at Spencer, Indiana.
- 5. We declare that all statements made herein of our own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements

P.07

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and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

\_8/25/08

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Poland, IN 47868

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Attachment: Redacted Facsimile Cover Sheet and Drawings

DN-1056

COOK\*

Cook Urological 1100 W. Morgan Street Spencer, IN 47460 USA Phone: 812 829-4891 Fax: 812 829-1801 www.cookgroup.com

Fax Transmission

Date:

To: Jack Hunt

From: Tom Toster

Number of Pages: 5

Jack-The materials (tubing) likely to be used For this would be:
Nitinol Tubing
Stainless Steel Tubing (Cannula)

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